

415

~~Digest 6~~

902

CORMAN
& RUPP

PUMPS



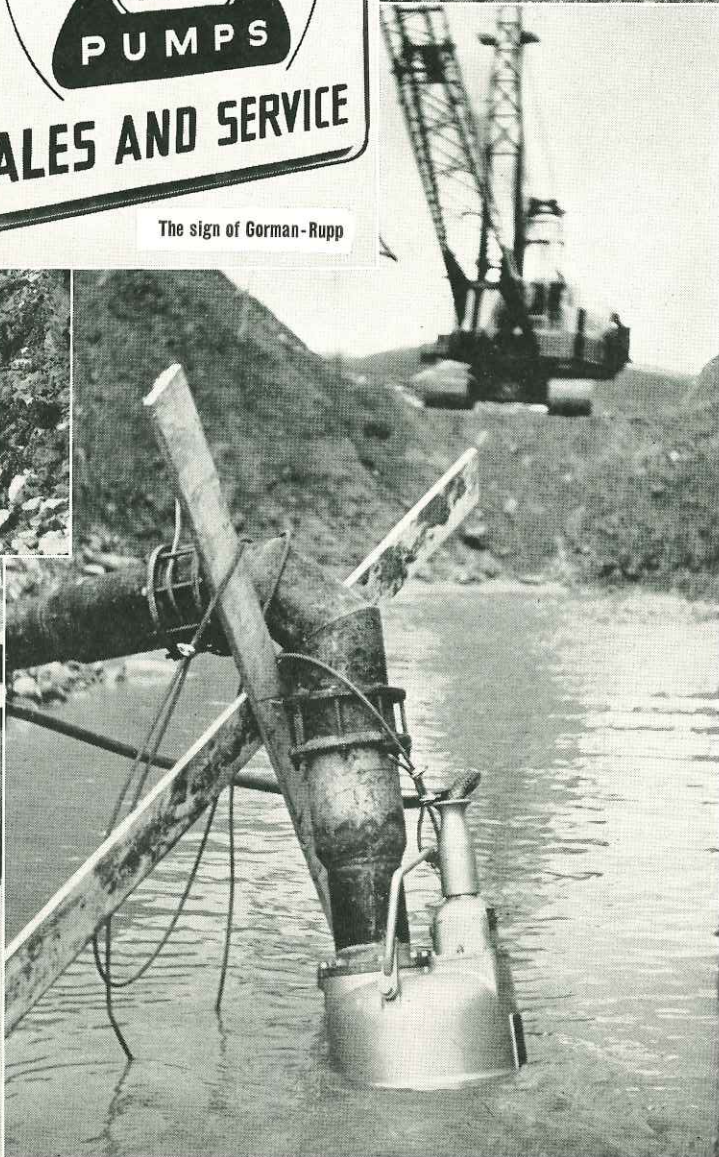
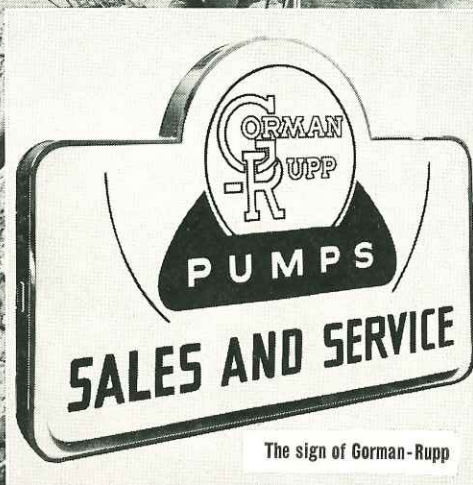
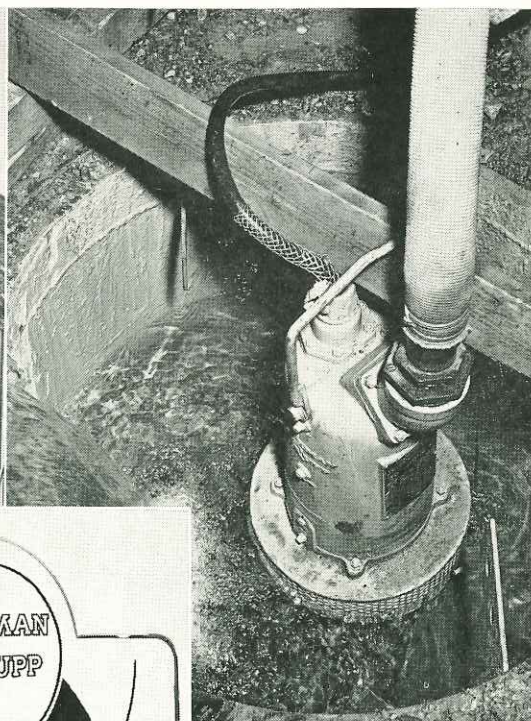
~~103~~
~~03 M~~

MANSFIELD, OHIO

ST. THOMAS, ONTARIO

~~TOP SHOE FOREIGN~~

This catalog leaflet is for general reference. Please ask for bulletins and specification data covering individual models. The Gorman-Rupp Company.



SUBMERSIBLE Dewatering Pumps

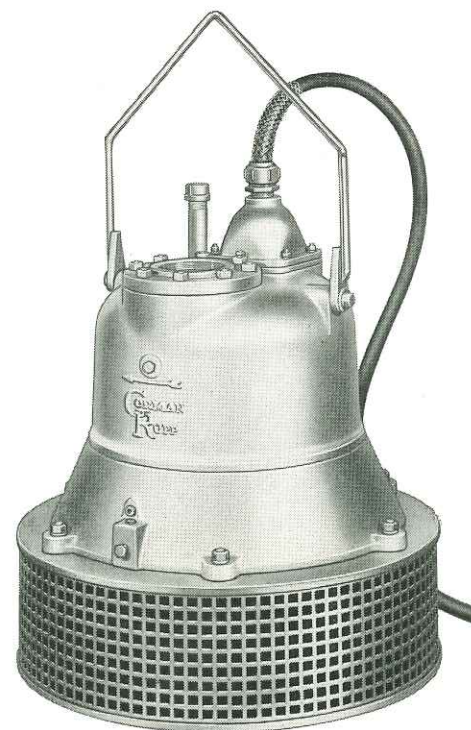


Proven on the job. Gorman-Rupp Submersibles have conquered a variety of water problems at construction, mine and quarry locations throughout the United States. On all applications in warm or sub-freezing conditions, Gorman-Rupp Submersible Dewatering Pumps have proven to be safe, efficient, economical and dependable.

Placed directly at the source, Submersibles go to work immediately. They pump instantly . . . pick up water as soon as impeller is submerged. Elimination of suction hose enables utilization of full power for pumping. Being electric motor driven, they operate unattended for long periods of time without need of 'round-the-clock personnel for service of fuel, oil, etc.

ASK FOR BULLETIN VS-12

In Gorman-Rupp catalog, Submersible Dewatering Pumps are priced in Section 130, Pages 50 54 and 55. Individual model Specification Data Sheets in Section 130.

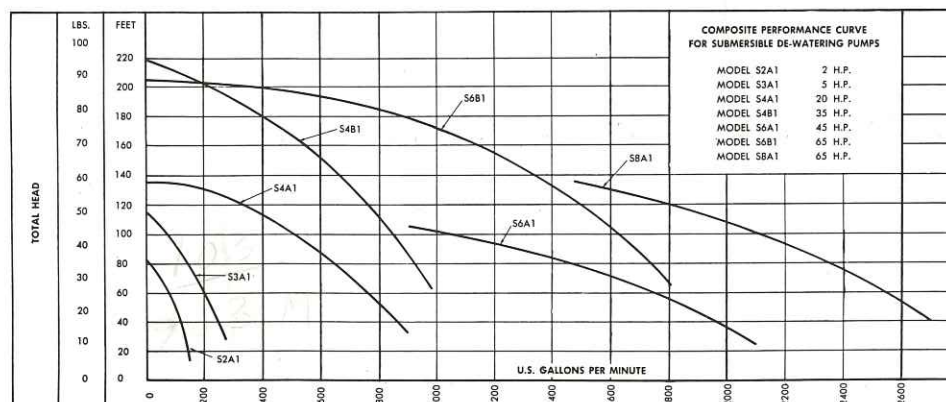


Model S4B1

SPECIFICATIONS

PUMP				STRAINER		MOTOR					CABLE	
Model	Discharge	Height	Diameter	Open Area	Openings	H.P.	Cycle	RPM	Phase	Voltage	Size	Length
S2A1	2"	15 $\frac{1}{16}$ "	9 $\frac{1}{16}$ "	38 sq.in.	$\frac{1}{4}$ " dia.	2	60	3450	single	115 or 220	#14	75'
S3A1 (3VSI)	3"	28"	14 $\frac{1}{4}$ "	89 sq.in.	$\frac{3}{8}$ " dia.	5	60	3450	single three	230 220/440	#10	75'
S4A1	4"	44 $\frac{1}{16}$ "	23 $\frac{1}{4}$ "	201 sq.in.	$\frac{5}{8}$ " sq.	20	60	1750	three	220/440	#6	50'
S4B1	4"	47 $\frac{1}{8}$ "	28"	358 sq.in.	$\frac{5}{8}$ " sq.	35	60	1750	three three	220/440 440 only	#2 #6	50'
S6A1	6"	57"	28"	480 sq.in.	1" sq.	45	60	1750	three three	220/440 440 only	#2 #6	50'
S6B1	6"	57"	28"	480 sq.in.	1" sq.	65	60	1750	three three	220/440 440 only	#2/0 #2	50'
S8A1	8"	57"	28"	480 sq.in.	1" sq.	65	60	1750	three three	220/440 440 only	#2/0 #2	50'

PERFORMANCE



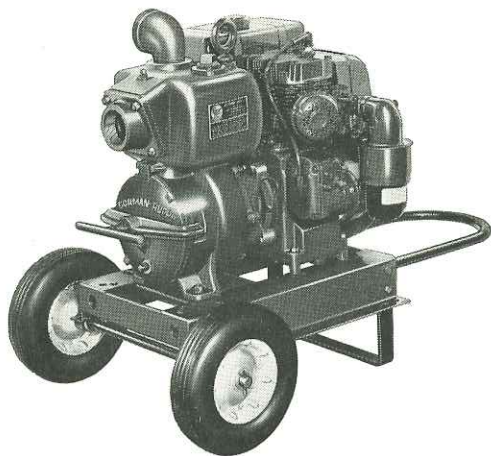


EXTRA HEAVY DUTY "10" SERIES

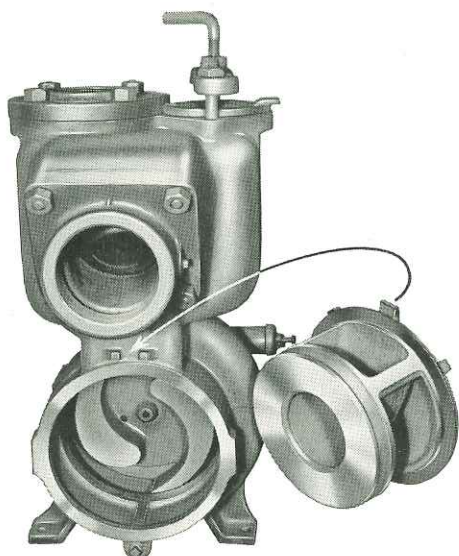
SELF-PRIMING CENTRIFUGALS

Gorman-Rupp Extra-Heavy Duty Pumps are built and designed to handle the toughest pumping jobs. Built for continuous, trouble-free service, they keep the job going.

These self-priming pumps have many exclusive features. Impeller and volute designs permit handling of spherical solids up to 2½" depending upon size of pump. A removable endplate makes impeller readily accessible. Pumps, less power, and electric motor driven units are described on Page 2034 of this catalog.

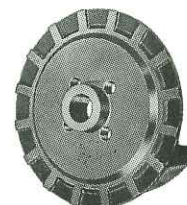


Model 12B2 engine driven



EXCLUSIVE GORMAN-RUPP DESIGN

Removable endplate enables regular personnel using common tools to gain access to pump interior for quick, easy inspection and maintenance. Gorman-Rupp originates, others imitate.



IMPELLER

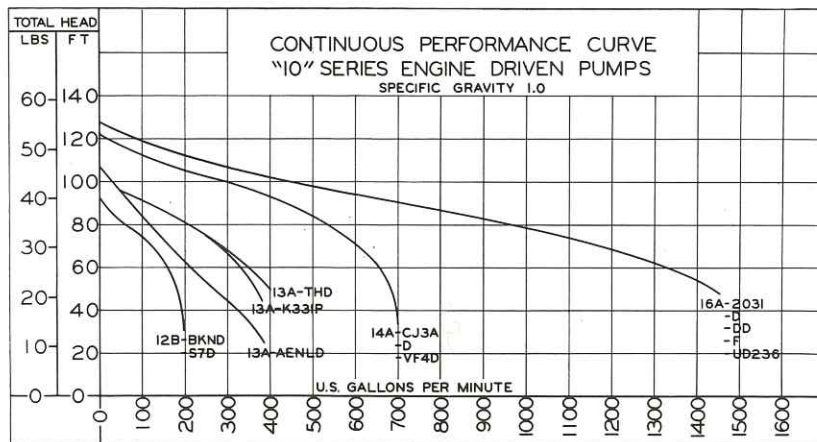
Two vane ductile iron impeller handles spherical solids up to 2½" in diameter depending upon pump size. Back of impeller shroud has pump out vanes to prevent binding of impeller. Replaceable wear plate is steel.

Patent No. 2,461,925

SPECIFICATION TABLE

Extra Heavy Duty Engine Driven Pumps

PUMP		ENGINE		
Model	Size	Make	Model	H.P.
12B	2	Wisconsin	BKND	7.0
12B	2	Wisconsin	S7D	7.25
13A	3	Wisconsin	AENLD	9.2
13A	3	Wisconsin	THD	18.0
13A	3	Kohler	K331P	12.5
14A	4	Wisconsin	VF4D	25
14A	4	Willys	CJ3A	60
14A	4	Ford	D	68
16A	6	Ford	D	68
16A	6	Ford	DD	59
16A	6	Ford	F	107
16A	6	GM	2031	49
16A	6	IHC	UD236	70



ASK FOR BULLETIN 4-CP-11

Extra-Heavy Duty Engine Driven Pumps are priced in Section 40, Page 57 of Gorman-Rupp catalog. Individual Specification Data Sheets available in Section 40.

ENGINE DRIVEN "80" SERIES

SELF-PRIMING CENTRIFUGALS



Gorman-Rupp self-priming centrifugal "80" Series pumps are built for continuous duty. Straight in suction enables faster priming at higher levels. Pump design assures self-priming with positive dependability.

FEATURES OF "80" SERIES PUMPS

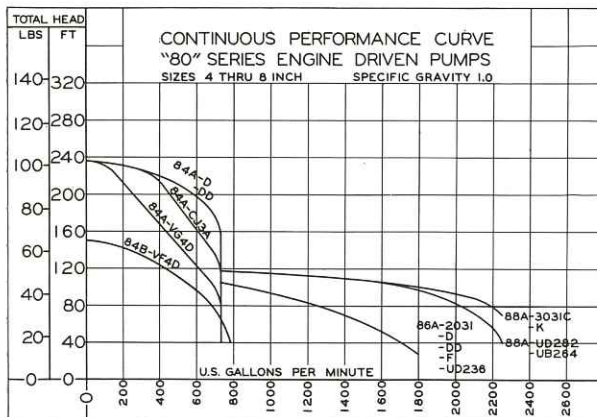
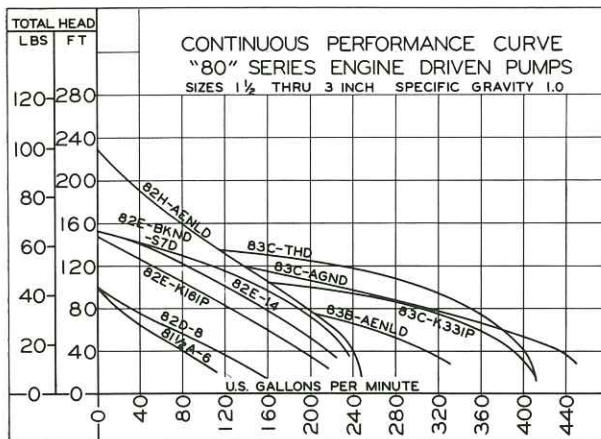
Impeller—open type, 3 or 4 vane semi-steel.

Seal—Double grease lubricated with spring loaded grease cup. Long life under abrasive conditions.

Pumps, less power, and electric motor driven units are described on Page 2033 of this catalog.



Model 86A2 Engine Driven



ASK FOR BULLETIN 4-CP-11

Engine Driven "80" Series Pumps are priced in Section 40, Pages 50 and 51 of Gorman-Rupp catalog. Individual Specification Data Sheets available in Section 40.

SPECIFICATION TABLE
Engine Driven "80" Series

AGC Rating	PUMP		ENGINE		
	Model	Size	Make	Model	H.P.
5M	81½A2	1½	Briggs	6	2.25
	82D1	2	Briggs	8	3.0
8M	82E2	2	Briggs	14	5.0
10M	82E2	2	Wisconsin	BKND	7.0
	82E2	2	Kohler	K161P	7.0
	82E2	2	Wisconsin	S7D	7.25
	82H2	2	Wisconsin	AENLD	9.2
17M	83B2	3	Wisconsin	AENLD	9.2
20M	83C2	3	Kohler	K331P	12.5
	83C2	3	Wisconsin	AGND	12.5
	83C2	3	Wisconsin	THD	18.0
30M	84B2	4	Wisconsin	VF4D	25.0
40M	84A2	4	Wisconsin	VG4D	37
	84A2	4	Ford	D	68
	84A2	4	Willys	CJ3A	60
	84A2	4	Ford	DD*	59
	86A2	6	Ford	D	68
90M	86A2	6	Ford	F	107
	86A2	6	Ford	DD*	59
	86A2	6	IHC	UD236*	70
	86A2	6	GM	2031*	49
	88A2	8	Ford	K	142
125M	88A2	8	IHC	UD282	90
	88A2	8	IHC	UB264	105
	88A2	8	GM	3031*	75

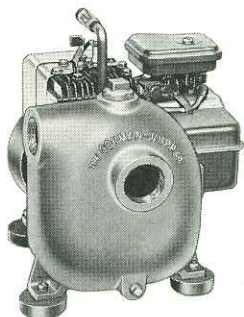
* Diesel Engine.



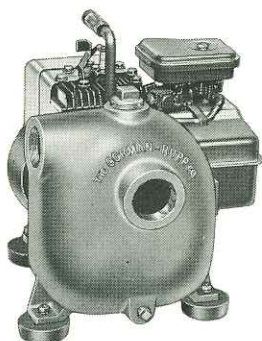
LIGHTWEIGHT PORTABLES

SELF-PRIMING CENTRIFUGALS

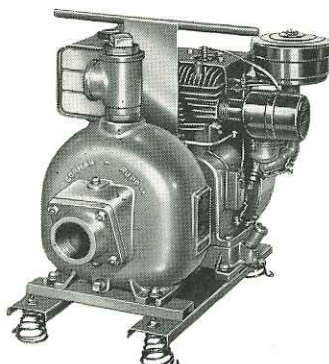
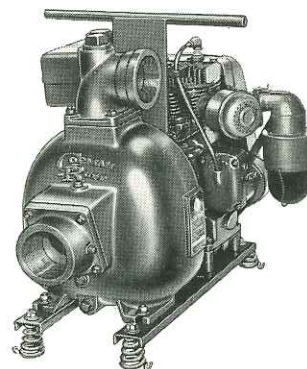
On The Job Everywhere



THRIFTY MIDGET

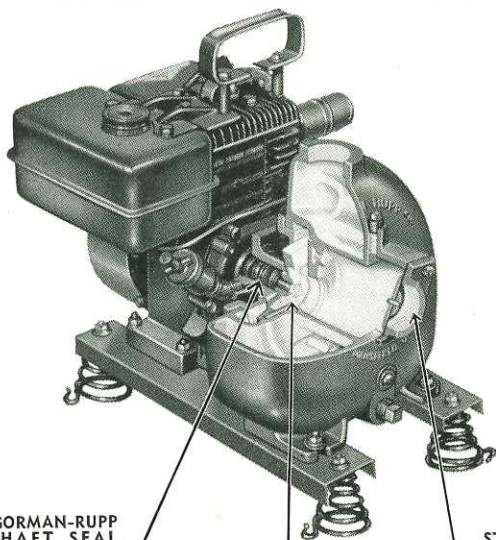


THRIFTY PELICAN

**HAWK**

EAGLE

CROSS SECTION OF HAWK & EAGLE



**GORMAN-RUPP
SHAFT SEAL**
Assures Long,
Trouble - Free
Life!

**STRAIGHT IN SUC-
TION** Increases
Capacity, Efficiency
and Lift

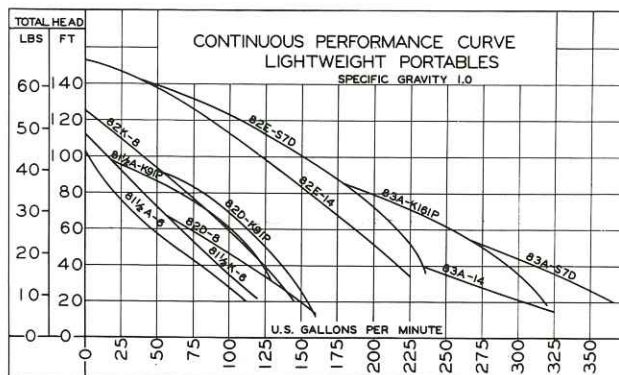
Removable wear plate

SPECIFICATION TABLE

Lightweight Portables

PUMP		ENGINE		
Model	Size	Make	Model	H.P.
81½A	1½	Briggs	6	2.25
81½A	1½	Kohler	K91P	4.0
81½K	1½	Briggs	6	2.25
82D	2	Briggs	8	3.0
82D	2	Kohler	K91P	4.0
82K	2	Briggs	8	3.0
82E	2	Briggs	14	5.0
82E	2	Wisconsin	S7D	7.25
83A	3	Briggs	14	5.0
83A	3	Wisconsin	S7D	7.25
83A	3	Kohler	K161P	7.0

ASK FOR BULLETIN 9-LW-11



Lightweight Portables are priced in Section 40, Page 55 of Gorman-Rupp catalog. Individual Specification Data Sheet available in Section 40.

DIAPHRAGM PUMPS

ENGINE OR ELECTRIC MOTOR DRIVEN

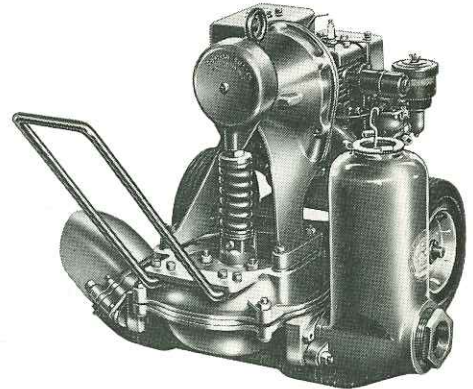
PUMP MORE, RUN SMOOTHER, LAST LONGER



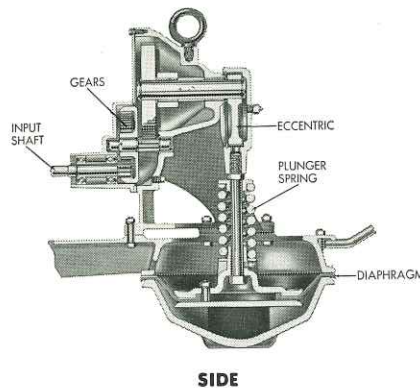
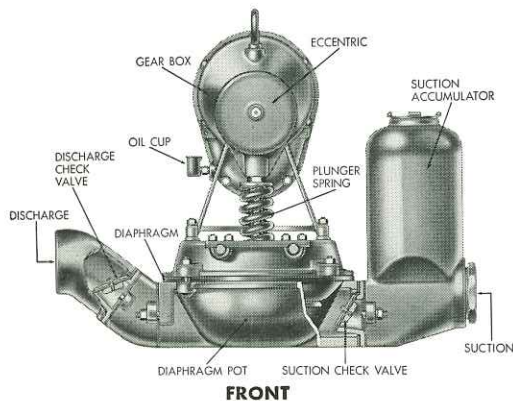
Gorman-Rupp made this possible with these design concepts:

- Smooth running diaphragm rod
- Spring cushion on down stroke greatly increasing vital diaphragm life
- Suction accumulator for high capacity at high lifts and smooth pumping flow
- Anti-friction helical ground gears and bearings operating in oil
- Lightness of weight

Model 3D-8 weighs 120 lbs. job to job. Greatly increased pumping; 3-inch model: 70 GPM at 5 ft. lift.



CROSS SECTIONAL VIEW



MODELS TO CHOOSE

ENGINE DRIVEN

Three inch.....Model 3D-8
 Three inch.....Model 3D-S-7D
 Three inch.....Model 3D-14
 Four inch.....Model 4D-S-7D
 Four inch.....Model 4D-K161P

ELECTRIC MOTOR DRIVEN

Three inch Model 3D-E1½ (X1½)
 Four inch.....Model 4D-E3 (X3)

BASIC MODELS

Three inch.....Model 3D-B
 Four inch.....Model 4D-B

PERFORMANCE

**3" Pump in Gallons Per Minute
60 Strokes Per Minute**

Static Lift	STATIC HEAD IN FEET					
	0	5	10	15	20	25
5	70	65	65	61	60	57
10	65	60	58	57	56	54
15	60	57	56	54	51	48
20	49	48	47	47	46	45
25	48	47	46	45	44	43

Above performance with 2-inch suction hose and 3-inch non-collapsible discharge hose.

PERFORMANCE

**In Gallons Per Minute
52 Strokes Per Minute**

Static Lift	STATIC DISCHARGE HEAD					
	0	5	10	15	20	25
5'	148	123	110	108	106	104
10'	113	106	104	103	101	100
15'	98	94	90	86	81	76
20'	82	78	76	72	68	65
25'	65	75	90	85	55	52

Above performance with 3-inch suction hose and 4-inch non-collapsible discharge hose.

ASK FOR BULLETIN 7-DR-11

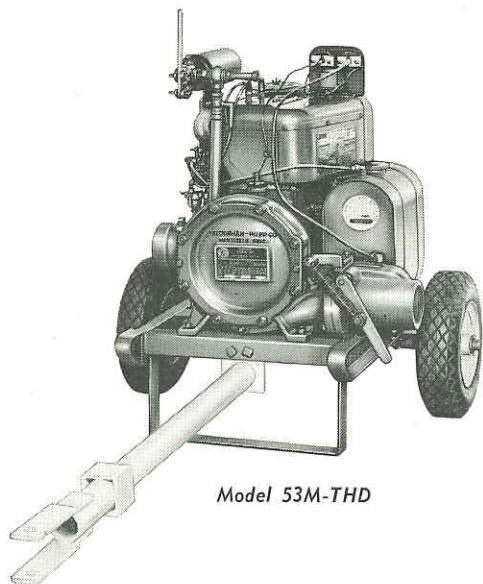
In Gorman-Rupp catalog, Diaphragm Pumps are priced in Section 120, Page 50. Individual models Specification Data Sheets available in Section 120.

Single stage centrifugal pumps. All models have the following features:

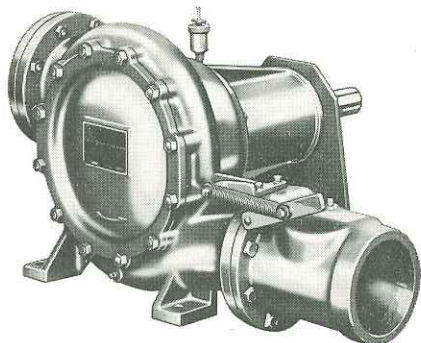
SHAFT SEAL—Grease lubricated shaft seal on suction side. Assures long uninterrupted service.

ACCESSIBILITY—Impeller, seal and wear ring removable without disturbing pump connections except Model 66B.

EXHAUST OR VACUUM PRIMER—Primes in fifteen to thirty seconds.

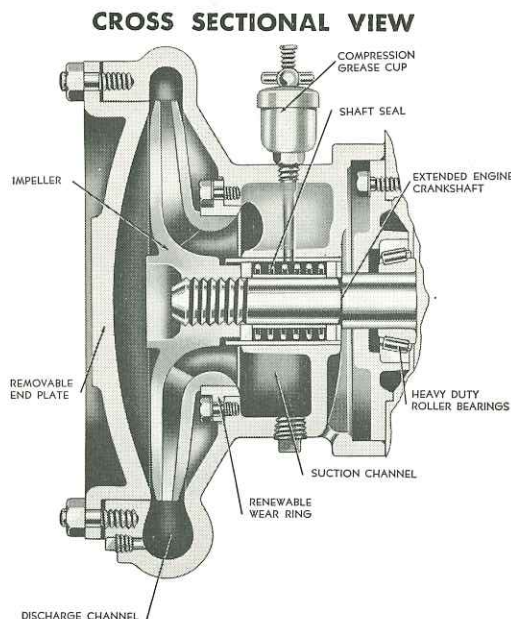


Model 53M-THD



Model 54M-B

Individual Specification Data sheets for corresponding units are found in these sections.

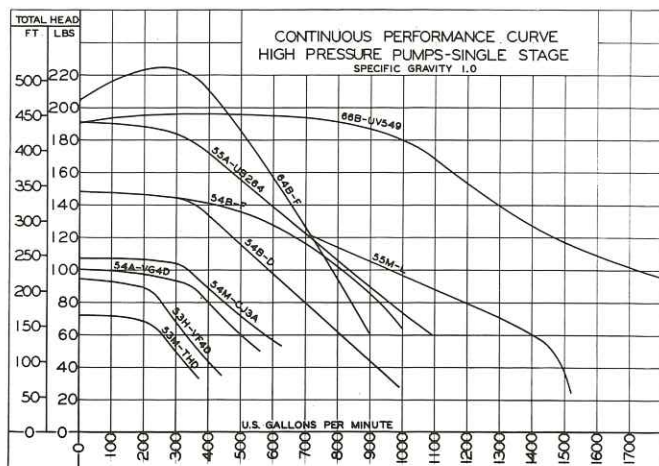


ASK FOR BULLETIN 2-HP-11 OR 4-HP-11

SPECIFICATION TABLE

HIGH PRESSURE PUMPS

Single Stage Gasoline Engine Driven



PUMP		ENGINE		
Model	Size	Model	Make	H.P.
53M	3	Wisconsin	THD	18
53H	3	Wisconsin	VF4D	25
54A	4	Wisconsin	VG4D	37
54M	4	Willys	CJ3A	60
54B	4	Ford	D	68
54B	4	Ford	F	107
64B	4	Ford	F	107
55A	6	IHC	UB264	105
55M	6	Ford	L	168
66B	6	IHC	UV-549	222

"80" SERIES BASIC PUMPS

SELF-PRIMING CENTRIFUGALS FOR INDUSTRIAL SUMP APPLICATIONS

"80" Series basic pumps are available for customer's power. These pumps are built for direct drive through flexible coupling or v-belt drive. Pump pedestal is equipped with bearings to handle heavy jobs. Base and power may be ordered from factory with pump as complete unit.

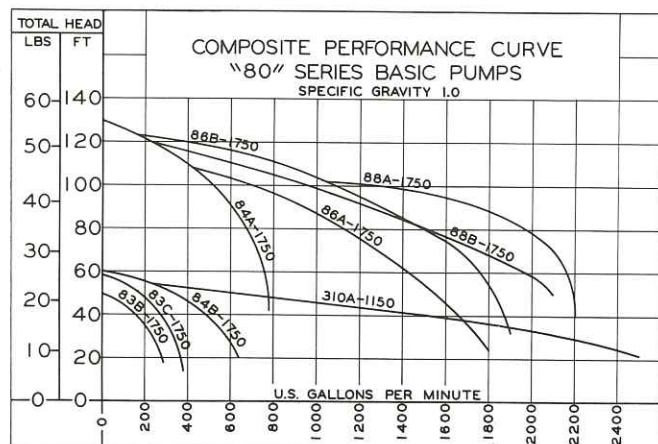
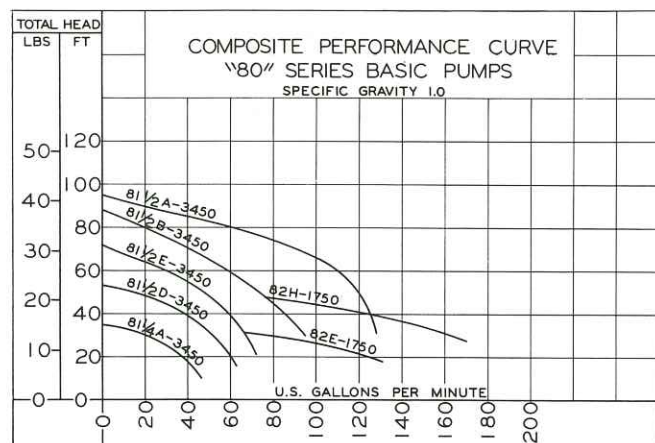
FEATURES:

Impeller—Open type, 3 or 4 vane, semi-steel.

Seals— a) Double grease lubricated with spring loaded grease cup. Long life under abrasive conditions.

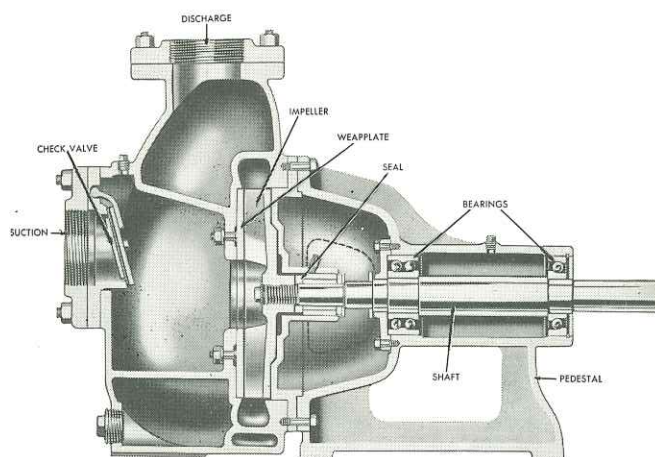
b) Mechanical self-lubricating shaft seal for clear liquid.

c) Packing gland and lantern ring for special applications.



Model 84A2-B

CROSS SECTIONAL VIEW



SPECIFICATION TABLE

Electric Motor Driven
"80" Series

Model	Size	RPM	H.P.
81 1/4 A-B	1 1/4	3450	1/2
81 1/2 D-B	1 1/2	3450	1
81 1/2 B-B	1 1/2	3450	1 1/2
81 1/2 E-B	1 1/2	3450	1 1/2
81 1/2 A-B	1 1/2	3450	3
82 E-B	2	1750	2
82 H-B	2	1750	3
83 B-B	3	1750	3
83 C-B	3	1750	5
84 B-B	4	1750	7.5
84 A-B	4	1750	20
86 A-B	6	1750	40
86 B-B	6	1750	40
88 A-B	8	1750	60
88 B-B	8	1750	50
310 A-B	10	1150	30

ASK FOR BULLETINS 9-IP-11 AND 1-SP-11

"80" Series Basic Pumps are priced in Section 50, Page 51 of Gorman-Rupp catalog. Individual Specification Data Sheets available in Section 50.



SELF-PRIMING CENTRIFUGAL

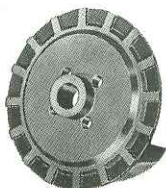
Industrial waste removal is done dependably and economically by Gorman-Rupp solids handling pumps.

Easy to install, these pumps operate high and dry with only the suction line down in the sump. Permits easy access to pump. Prevents lubrication guess-work. Low initial cost, less maintenance, dependable operation.



IMPELLER

Two vane impeller handles spherical solids up to 3" in diameter depending upon pump size. Back of impeller shroud has pump out vanes to prevent binding of impeller. Pressure relief holes around eye maintain negative seal pressure during pump operation.



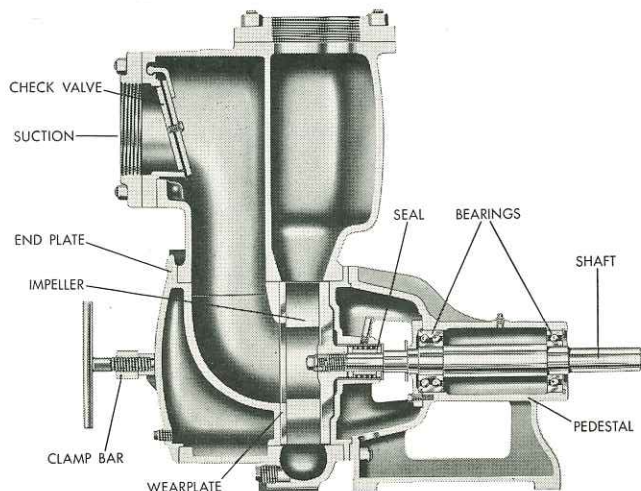
SEALS

Double grease lubricated type. Positive sealing against air leaks when priming and water leaks when pumping. Occasional filling of spring loaded large capacity grease cup is all that is necessary.



Alternate Seals:

- Mechanical self lubricating
- Type 9, Teflon and Stainless
- Packing gland and lantern ring



TYPICAL APPLICATIONS

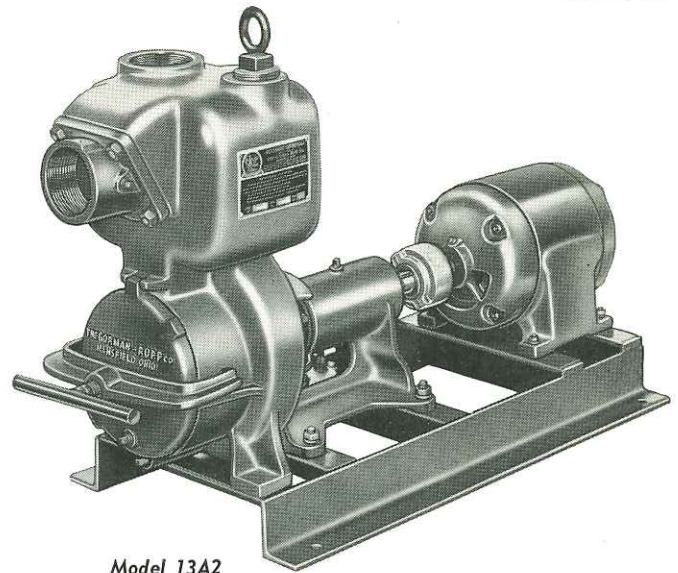
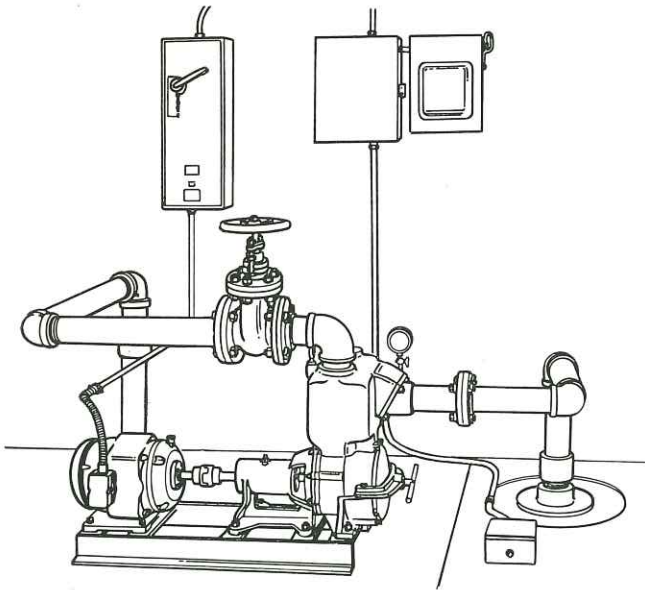
Industrial Wastes
Sludges and Slurries
Laundries and Dry Cleaning
Scale Pits
White Water (pulp)
Cannery Waste
Cotton Mill Waste
Distillery Slops
Paper Stock
Slaughter House Pumping
Sewage Treatment Systems

CROSS SECTIONAL VIEW

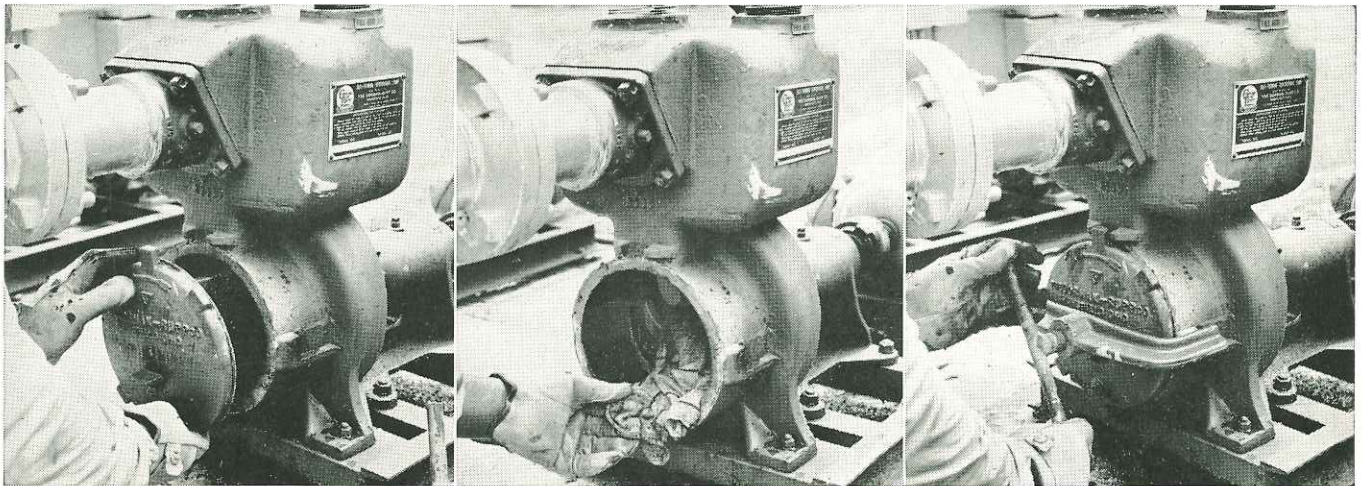
Only moving parts of Gorman-Rupp's solids handling pumps are impeller and shaft. Parts receiving most wear, impeller, seal and wear plate are accessible and easily replaced by removing endplate. Replacement of these three parts restores pump to original operating efficiency. No expensive castings to replace. These pumps have the highest standards of thrifty operation, easy use and long, trouble-free life.

Solids handling pumps are available in gray iron, all bronze or 316 stainless steel. For special applications, consult factory.

SOLIDS HANDLING PUMPS



Model 13A2

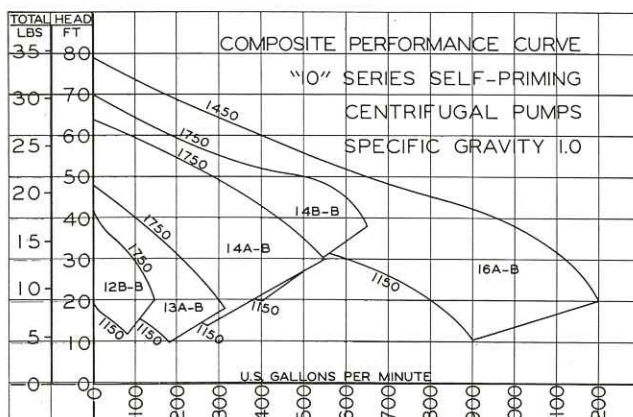


END PLATE OFF

CLEAN OUT

END PLATE ON

Removable endplate enables regular personnel using common tools to gain access to pump interior for quick, easy inspection and maintenance. Patent No. 2,461,925.



SPECIFICATION TABLE

Solids Handling Pumps

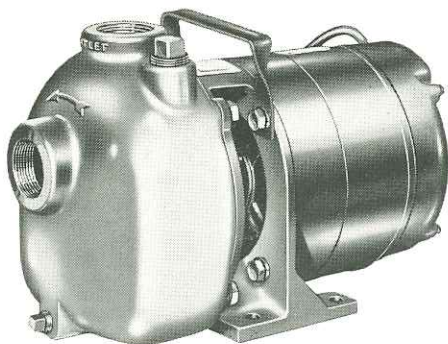
Model	Size	Solids Hndl'ng Ability	Dimensions			Weight Approx.	RPM	H.P.
			L	W	H			
12B-B	2	1½"	24	9	16	106	1750	1½
13A-B	3	1½"	28	12	20	176	1750	3
14A-B	4	2"	32	12	24	286	1750	7½
14B-B	4	3"	34	12	24	295	1750	10
16A-B	6	2½"	35	16	33	628	1150	10
16A-B	6	2½"	35	16	33	628	1450	20

ASK FOR BULLETINS 9-IP-11, 9-IP-12,
O-SP-12 AND 1-SP-11

In Gorman-Rupp catalog, Solids Handling pumps are priced in Section 50, Page 52. Individual model Specification Data Sheets available in Section 50.



"HIGH AND DRY" SUMP PUMPS



Centrifugals that prime. When the sump fills, the controls starts the pump removing the water. When the sump drops, the pump stops. Fast, sure pumping. Simple construction—no troublesome valves, orifices or extra parts. Dependable.

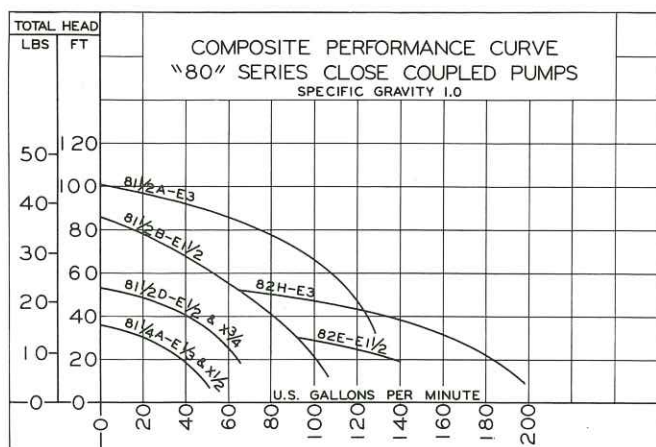
HIGH AND DRY DESIGN MEANS EASIER INSTALLATION

Placement is flexible; install pump above sump or in another room, on floor or wall bracket, head high, if you wish. Easier to wire, easier for piping.

TROUBLE-FREE SERVICE

Pump remains high and dry out of sump. No corrosion of lower bearing. No drown-outs. Bulletin 1-SP-11 describes Extra Heavy Duty, Heavy Duty and Standard Duty Pumps for industry, buildings and homes.

For special application, consult factory.

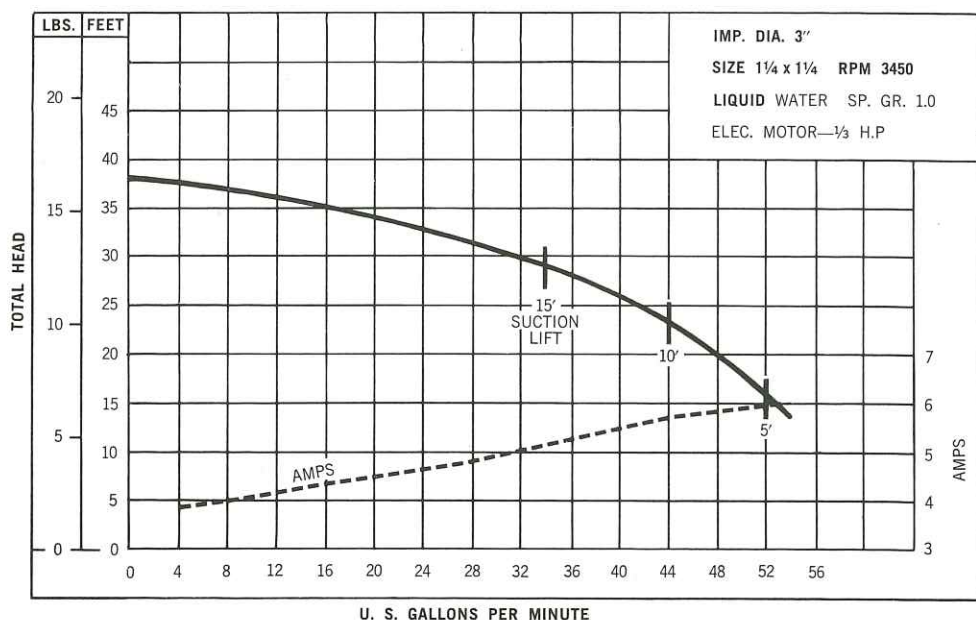


In Gorman-Rupp catalog, Sump Pump prices and specification Data Sheets are available in Section 50.

MODEL 81 1/4 B

curve

chart



TOTAL HEAD	FLOW IN U.S. GPH
15 ft.	3000
20 ft.	2800
25 ft.	2400
30 ft.	1800
35 ft.	900

MOTOR: Close-coupled, $\frac{1}{3}$ HP, 3450 R.P.M. 115V. AC, 60 cycle, single phase, drip-proof, with automatic overload protection.

SHAFT: Ball-bearing mounted, with sleeve bearing to assure perfect alignment. Shaft is stainless steel.

HOUSING: High quality, durable "semi steel" gray iron

STRAINER: Standard equipment, designed to draw down to sump bottom.

FLOAT CONTROL: Standard; switch is lever type activated by float action, provides positive, dependable performance.

IMPELLER: Open type bronze, machined to close tolerances for perfect balance. Seal is self-lubricating for long and trouble-free performance.

FIRE FIGHTING PUMPS

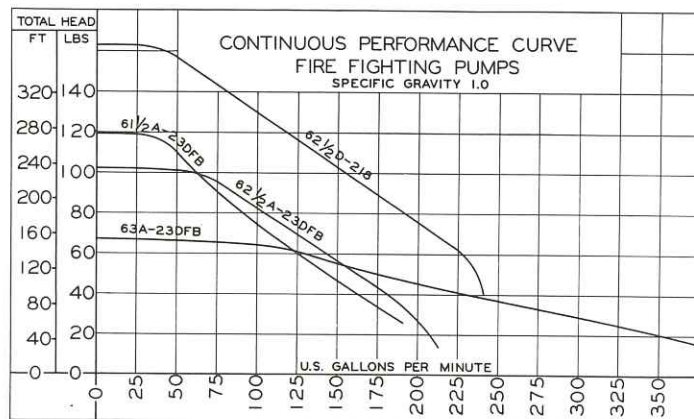
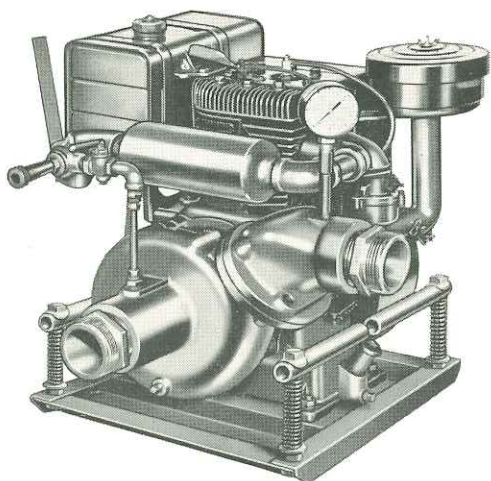

SPECIFICATION TABLE

Model	Make	Model	Size	Weight
61½D-F	West Bend	82003	1½ x 1½	29.5
61½A	Briggs	23DFB	2 x 1½	164
62½A	Briggs	23DFB	2½	178
63A	Briggs	23DFB	3	225
62½D	OMC	218	2½	260

Briggs & Stratton 23DFB Published Performance Max. DYN BHP 9.0 H.P. at 3600 RPM.

Dual Fire Fighting Pumps have a record of valuable and dependable service with industrial, municipal and volunteer fire departments across the nation: (1) as booster pumps, (2) for direct pumping from water source to fire.

Model 61½ D-F Performance: 10 gpm @ 230 psi to 50 gpm @ 80 psi.



ASK FOR BULLETIN 3-FD-11B

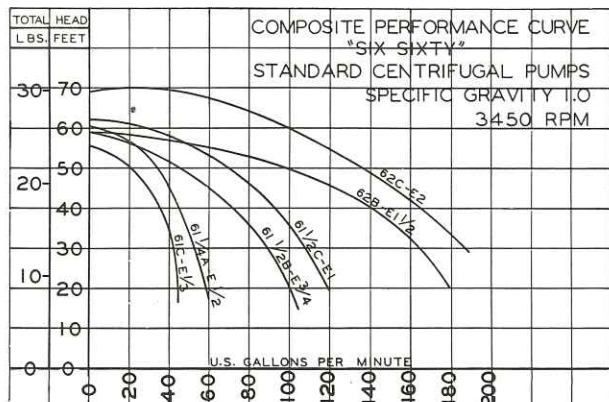
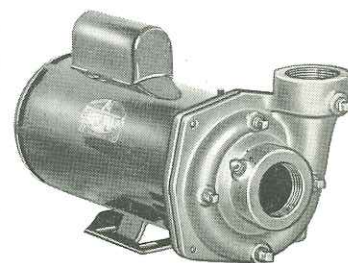
In Gorman-Rupp catalog, Fire Fighting Pumps are priced in Section 60, Page 51. Individual model Specification Data Sheets are in Section 60.

STRAIGHT CENTRIFUGAL PUMPS

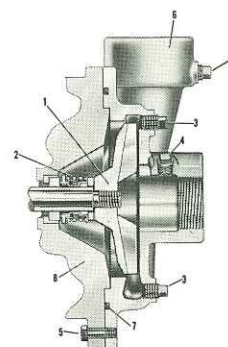
SPECIFICATIONS

Model	H.P.	Pipe Sizes
61C3-E½	½	1"
61¼A3-E½	½	1¼"
61½B3-E¾	¾	1½"
61½C3-E1	1	1½"
62B3-E1½	1½	2"
62C3-E2	2	2"

Gorman-Rupp 660 Pumps are unique in design and construction. They are single stage, single suction pumps engineered for the highest hydraulic efficiencies. They can be mounted horizontally, vertically, at an angle or on the side. No special bases required.


PARTS

1. Impeller
2. Seal
3. Drain Plug
4. Vacuum Gauge Plug
5. Casing Bolt
6. Volute
7. O Ring
8. Motor



In Gorman-Rupp catalog, prices and specifications are available in Section 90.

ASK FOR BULLETIN 3-FD-11B



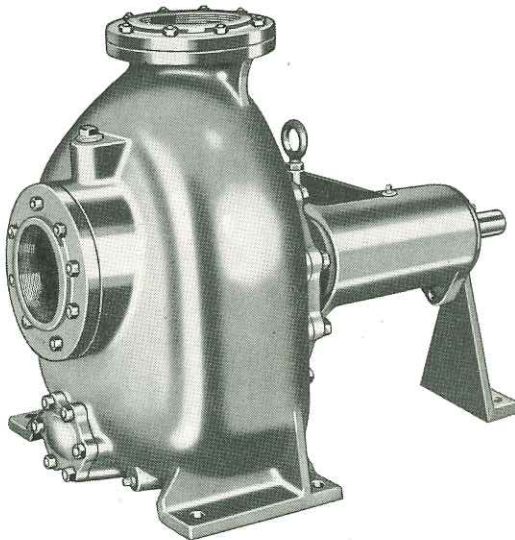
"O" SERIES CENTRIFUGALS THAT PRIME

STRAIGHT IN SUCTION • NO CHECK VALVE • ENCLOSED IMPELLER

Gorman-Rupp "O" Series centrifugal pumps are designed to meet the requirements for handling petroleum and industrial liquids in a variety of conditions and applications.

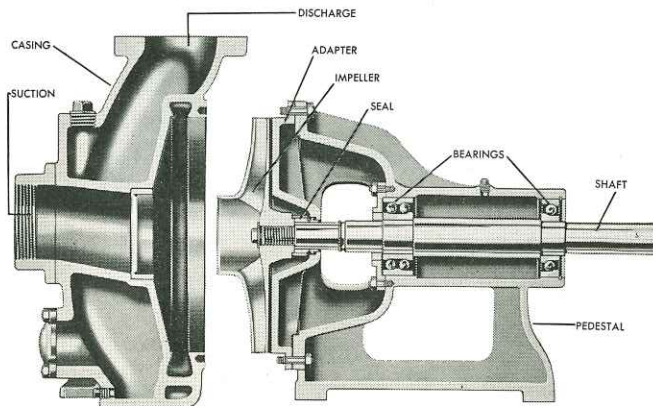


Model 02C3-X $\frac{3}{4}$

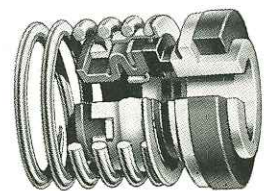
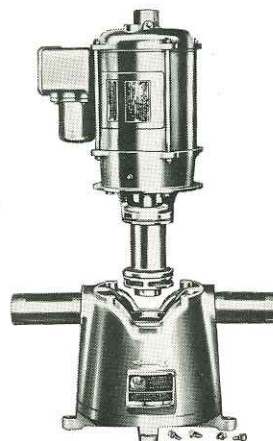


Model 06B-B

CROSS SECTIONAL VIEW



Cartridge Construction



Seal

STRAIGHT IN SUCTION NO CHECK VALVE assures

SAFETY—No dangerous high pressure from confined heat expanded liquid.

SAVINGS—Fewer parts to maintain and service.

PERFORMANCE—Better suction characteristics—high efficiency.

"O" Series pumps are offered as follows:

Basic Pump. Basic pump on base to receive customer's power. Complete unit: Basic pump, base mounted, flexible coupled to power. Through 2" size, models are offered close coupled to electric motors with standard NEMA flange.

FEATURES:

SEALS—Positive and reliable shaft seal of the self-lubricating mechanical type. Seals for special applications, consult factory.

IMPELLER—Closed impeller, bronze or semi-steel. Only moving part.

VOLUTE—Gray iron. Straight-in suction, no check valve design.

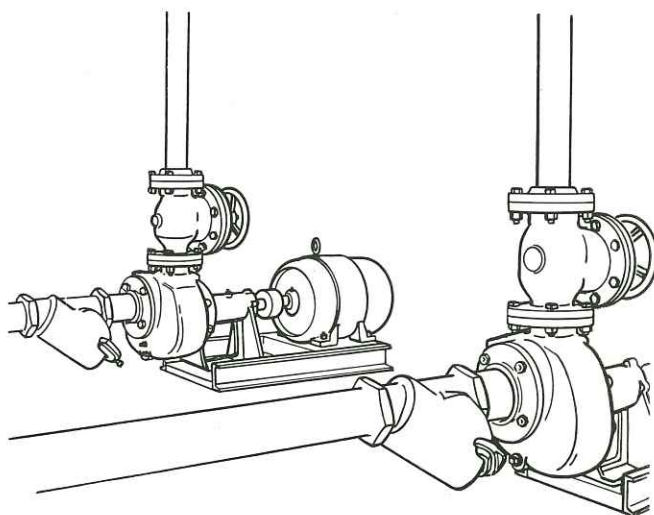
CARTRIDGE CONSTRUCTION—Cartridge design saves time. Allows pump tear-down without disturbing piping. Easy maintenance. Minimum down-time.

SPECIFICATIONS AND PERFORMANCE



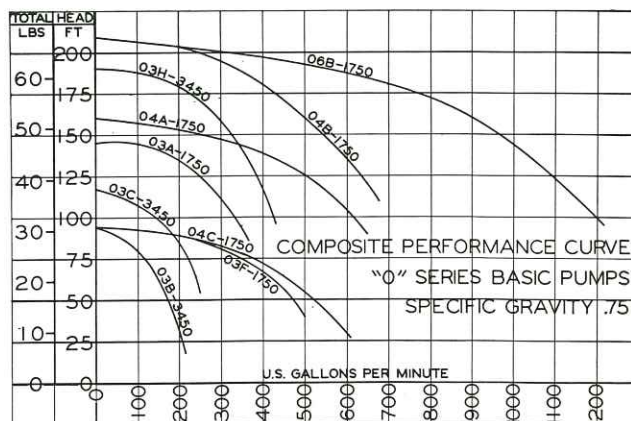
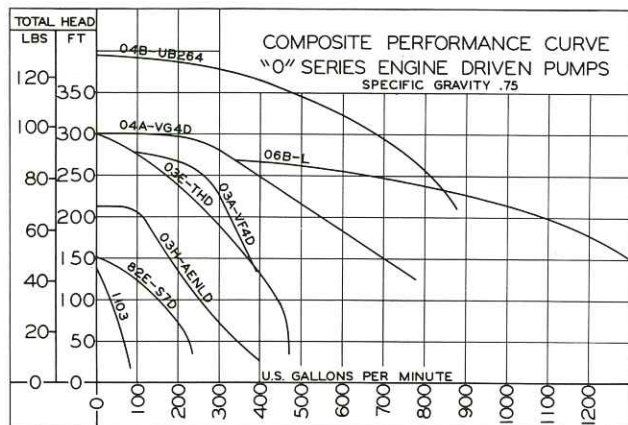
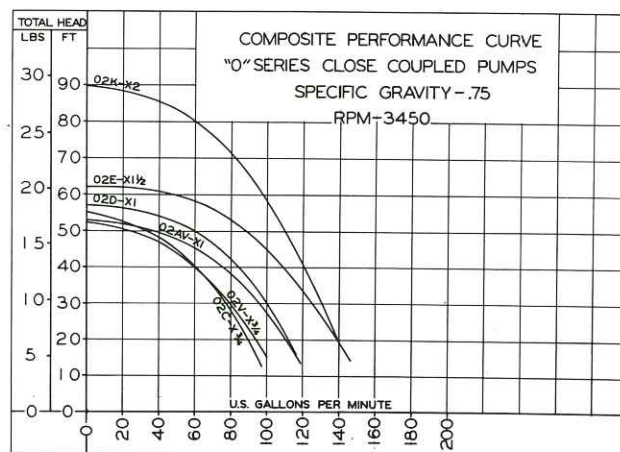
SPECIFICATION TABLE
Electric Motor Driven "O" Series

Model	Size	H.P.	RPM
02C-X $\frac{3}{4}$, 02V-X $\frac{3}{4}$	2"	$\frac{3}{4}$	3450
02D-X1, 02AV-X1	2"	1	3450
02E-X1 $\frac{1}{2}$	2"	1 $\frac{1}{2}$	3450
02K-X2	2"	2	3450
03B-B	3"	3	3450
03C-B	3"	5	3450
03F-B	3"	10	1750
03H-B	3"	15	3450
03A-B	3"	10	1750
04C-B	4"	10	1750
04A-B	4"	20	1750
04B-B	4"	30	1750
06B-B	6"	50	1750



SPECIFICATION TABLE
Engine Driven "O" Series

PUMP		ENGINE		
Model	Size	Make	Model	H.P.
1103	1 $\frac{1}{2}$ "	Briggs	6	2.25
82E	2"	Wisconsin	S7D	7.25
03H	3"	Wisconsin	AENLD	9.2
03A	3"	Wisconsin	VF4D	25
03E	3"	Wisconsin	THD	18
04A	4"	Wisconsin	VG4D	37
04B	4"	IHC	UB264	105
06B	6"	Ford	L	168



In Gorman-Rupp catalog, vertical and horizontal "O" series pumps are priced in Section 30, Pages 50 and 51. Individual Specification Data Sheets, in Section 30.

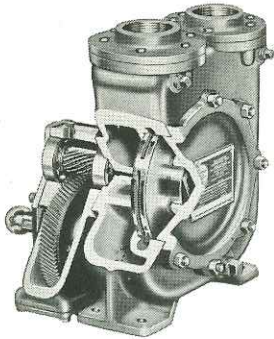
ASK FOR BULLETINS 9-PP-11 AND 9-IP-11



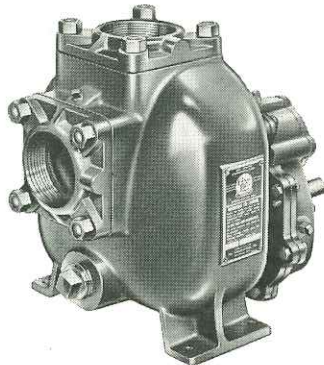
POWER TAKE-OFF PUMPS

SELF-PRIMING CENTRIFUGALS

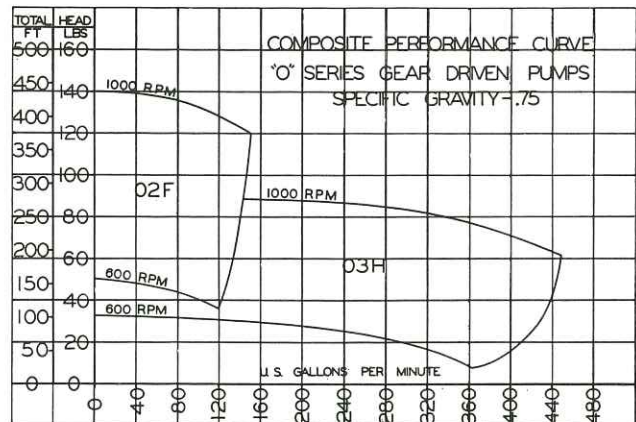
The 02-F1 and the 03H1 are designed for single saddle mounting with eccentric gear boxes that may be mounted in any one of four positions. These features insure better alignment with less vibration. Constructed with helical ground gears, Gorman-Rupp P.T.O. pumps are built for long lasting, efficient service.



Model 02F1



Model 03H1



ASK FOR BULLETIN 9-PP-12

In Gorman-Rupp catalog, P.T.O. pumps are priced in Section 110, Page 50. Individual Specification Data Sheets available in Section 110.

P.T.O. DEWATERING PUMPS

Self Priming Centrifugals

Model 12B2-G, a modified version of the 2" extra heavy duty and solids handling pump, is well suited for dewatering applications on farm or orchard. Removable endplate enables quick clean-out. Capacity of 12B2-G ranges from 60 GPM at 85 feet to 220 GPM at 40 feet of head.



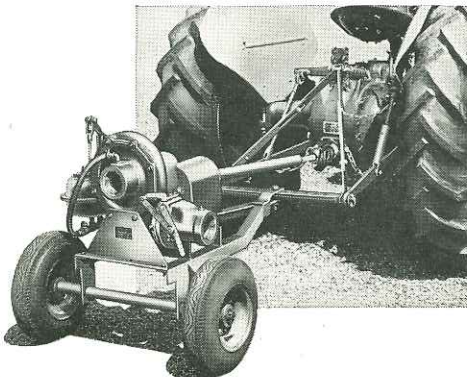
Model 12B2-G

Price and Specification Data Sheets for Model 12B2-G are available in Section 110 of Gorman-Rupp catalog.

STANDARD CENTRIFUGAL P.T.O. PUMPS FOR TRACTORS

Gorman-Rupp trailer pumps are pneumatic mounted and designed for use on the farm tractor's power take-off drive. Excellent for operation of medium sized sprinkler systems. Dependable, long life equipment, priced lower than packaged units of pump and engine.

Four models to choose—3" to 8".



ASK FOR BULLETIN 3-IR-11

Prices and Specification Data Sheets in Gorman-Rupp catalog in Section 110.

HANDY PUMPS

ALUMINUM OR BRONZE

High performing, self-priming, all purpose pumps designed for 1001 utility uses. Dewater basements, empty bilges, spray roses, wash cars or fill stock tanks.

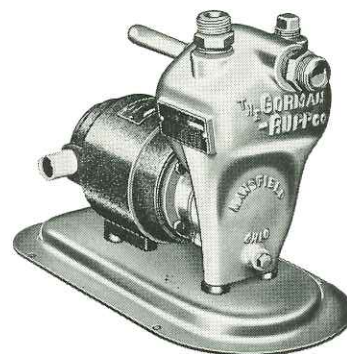
PERFORMANCE TABLE

U.S. Gallons Per Minute	PRESSURE	
	Pounds	Feet
2	44	102
4	41	95
6	38	88
8	35	80
10	32	73
12	28	65
14	25	57
16	21	48

Performance based on water through $\frac{3}{4}$ " hose with 115 volt current.



Model 80A Aluminum



Model 8021HB
Bronze

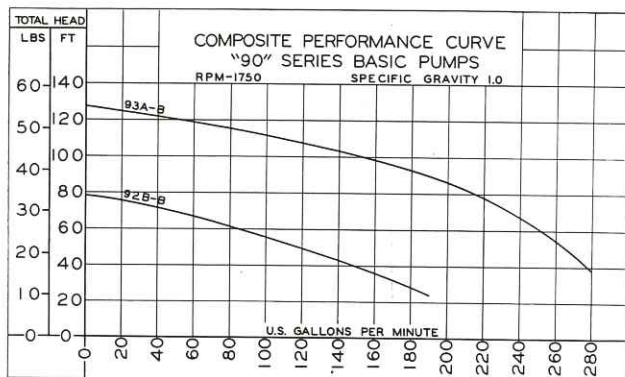
ASK FOR BULLETIN 9-HP-11.

In Gorman-Rupp catalog, Handy Pumps are priced in Section 50, Page 50.

SPECIFICATION TABLE

BASIC PUMPS
For Motor or Belt Drive

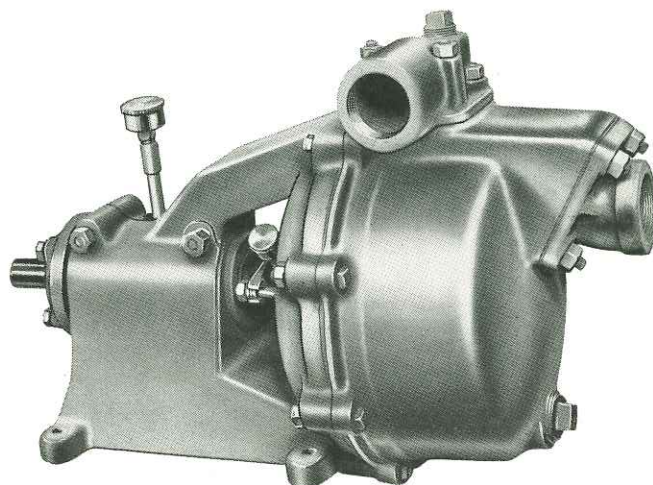
Model	Suction and Discharge	H.P.	RPM
92B	2	3	1750
93A	3	7½	1750



ASK FOR BULLETIN 4-MP-11

MINE GATHERING PUMPS

HORIZONTAL SELF-PRIMING CENTRIFUGALS



Available in various metals for corrosive liquids. Gray iron, bronze or 316 Stainless Steel.

Absolute simplicity of design—no valves or gadgets to lower pumping efficiency. Will run indefinitely without shut-down. Require little or no attention. Most valuable where reliability is essential.

In Gorman-Rupp catalog, Gathering Pumps are priced in Section 50, Page 55. Individual model Specification Data Sheets available in Section 50.

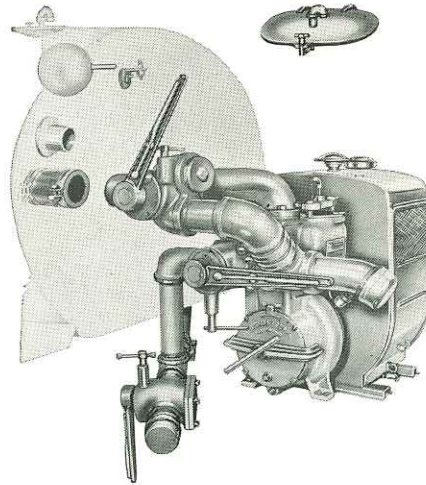




ODORLESS SANITARY CLEANER



1100 Gallon Unit



Model 203A Pump Kit

O.S.C. Specifications

TANK . . .

Capacity: 1100 or 1600 gal.

Construction: Tank—12 gauge steel
Frame—10 gauge steel

Catwalk: Each side of tank

Mounting: To standard truck chassis. 158" to 161" wheelbase. Require 82" to 88", cab to rear wheel center line.

Gravity drain: For use without pump

Tank hatch cover: Water-tight

Side tool boxes: Optional—extra

ENGINE . . .

Model: Wisconsin VE4D

Type: 4 cycle, 4 cyl. air-cooled

Displacement: 91.9 cu. in.

Valves: Stellite exhaust valves and seats

Starter: Standard. Specify 6v. or 12v. when ordering.

Cable: Optional—extra

Complete starting equipment available—extra

Wisconsin published performance: Max. dyn. bhp
21.5 at 2400 rpm

PUMP . . . Gorman-Rupp

Type: Self-priming centrifugal

Size: 4" x 4", NPT, female

Volute: Gray iron, Class 30*

Impeller, open, 2 vane: Semi-steel,
handles 2" spherical solids.

Wearplate, replaceable: Steel

Seal: Double. Grease lubricated
w/spring loaded grease cup.

DIMENSIONS:

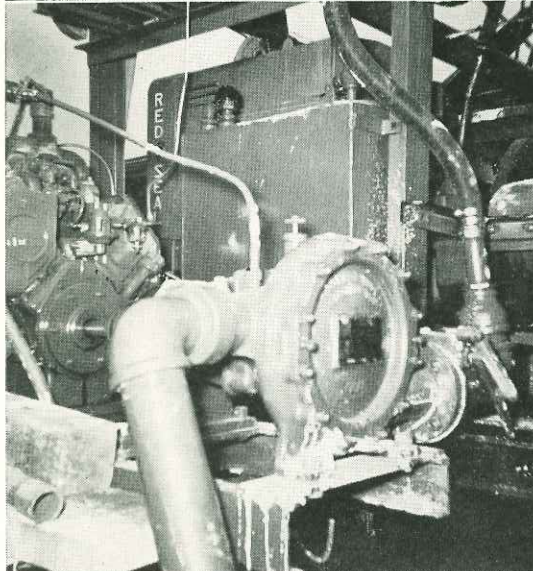
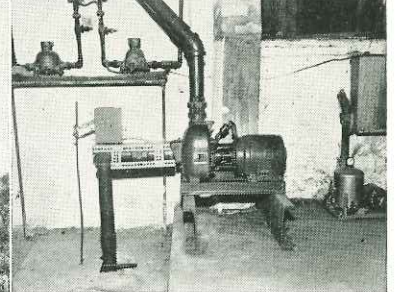
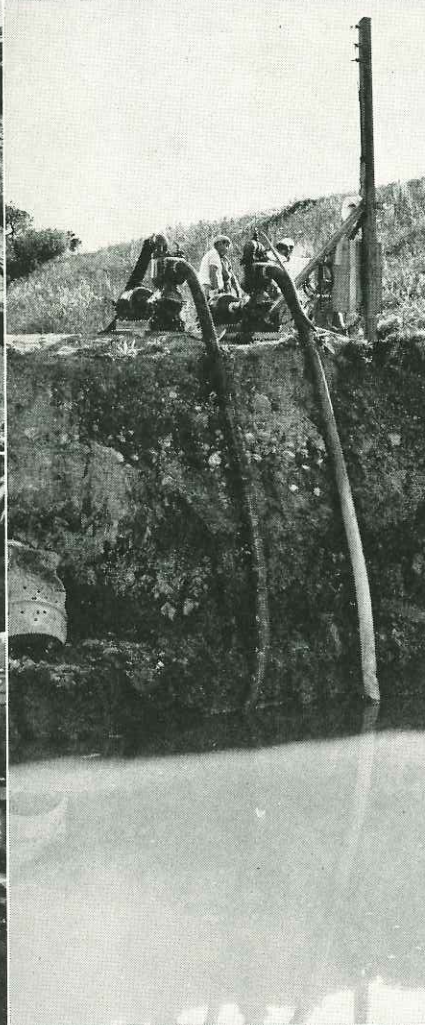
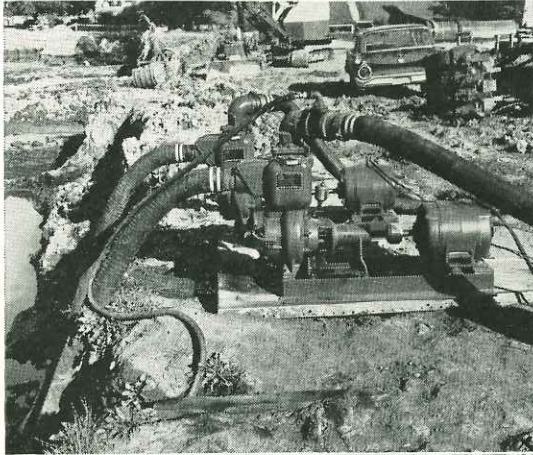
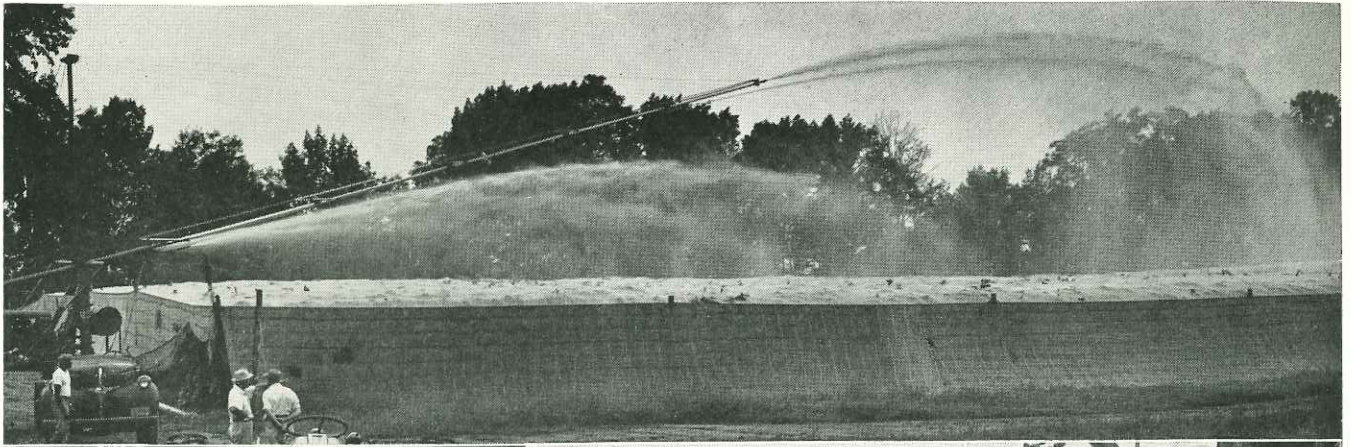
	1100 Gal. Unit	1600 Gal. Unit
Length	147"	154"
Width	88"	92"
Height	51"	55"

NET WEIGHT UNIT: SHIPPING WEIGHT UNIT:

	1100 Gal. Unit	1600 Gal. Unit
NET WEIGHT UNIT:	2325 Lbs.	3000 Lbs.
SHIPPING WEIGHT UNIT:	2540 Lbs.	3500 Lbs.

ASK FOR BULLETIN 9-ST-11

Price Sheet 18 in Gorman-Rupp catalog.





GORMAN-RUPP COMPANY

MANSFIELD, OHIO • ST. THOMAS, ONTARIO